

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jay C. Brinkmeyer

Confirmation No.:

Application No.:

Examiner: Mizrahi, Diane D.

Filing Date: Herewith

Group Art Unit: 2175

Title: COMPUTER SYSTEM USING A QUEUEING SYSTEM AND METHOD FOR MANAGING A QUEUE AND HETEROGENOUS DATA STRUCTURES

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

under 37 CFR 1.97(c) together with either a:  
 Statement under 37 CFR 1.97(e), or  
 a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

under 37 CFR 1.97 (d) together with a:  
 Statement under 37 CFR 1.97(e)(1) or (2), and  
 a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **EL 982 235 821 US**

Respectfully submitted,

Date of Deposit **09-09-2003**

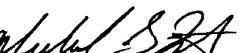
Jay C. Brinkmeyer

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By



Typed Name: Michael G. Fletcher

By 

Michael G. Fletcher

Attorney/Agent for Applicant(s)  
Reg. No. **32,777**

Date: **09-09-2003**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: §  
Jay C. Brinkmeyer § Group Art Unit: 2175  
§  
Prior Application Serial No.: 09/883,631 §  
Prior Application Filed: June 18, 2001 §  
§  
Serial No.: Unassigned § Examiner: Mizrahi, D.  
§  
Filed: Herewith §  
§  
For: COMPUTER SYSTEM USING A § Atty. Docket: PDNO:200303934-3  
QUEUEING SYSTEM AND METHOD § COMP:0074--2/FLE  
FOR MANAGING A QUEUE AND §  
HETEROGENOUS DATA §  
STRUCTURES §

EXPRESS MAIL MAILING LABEL	
NUMBER:	EL 982 235 821 US
DATE OF DEPOSIT:	September 9, 2003
<i>Pursuant to 37 C.F.R. § 1.10, I hereby certify that I am personally depositing this paper or fee with the U.S. Postal Service, "Express Mail Post Office to Addressee" service on the date indicated above in a sealed envelope (a) having the above-numbered Express Mail label and sufficient postage affixed, and (b) addressed to the Commissioner for Patents, Alexandria, VA 22313.</i>	
September 9, 2003	 Michael G. Fletcher
Date	

**Mail Stop Patent Application**

**Commissioner for Patents**

**P.O. Box 1450**

**Alexandria, VA 22313**

Dear Sirs:

**ADDENDUM TO INFORMATION DISCLOSURE STATEMENT**

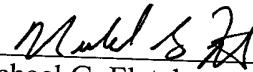
The attached "Information Disclosure Statement" indicates that Applicants have submitted copies of patents, publications, and other information. However, the Patent Office has recently notified applicants that:

The Office hereby waives the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 U.S.C. § 371 after June 30, 2003.

Accordingly, Applicants have not submitted copies of any U.S. Patents or any U.S. Patent Application Publications cited on the attached form PTO-1449.

Respectfully submitted,

Date: September 9, 2003

  
\_\_\_\_\_  
Michael G. Fletcher  
Reg. No. 32,777  
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(281) 970-4545

**CORRESPONDENCE ADDRESS:**

IP Administration  
Legal Department, M/S 35  
**HEWLETT-PACKARD COMPANY**  
P.O. Box 272400  
Fort Collins, CO 80527-2400

FORM PTO-1449		ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		200303934-3		
(Use several sheets if necessary)		APPLICANT		
		Jay C. Brinkmeyer		
		FILING DATE	GROUP	
		Her with	2175	

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	5,386,514	01/31/95	Lary et al.	
	1B	5,410,722	04/25/95	Cornaby	
	1C	5,574,912	11/12/96	Hu et al.	
	1D	5,602,998	01/11/97	Alfernness et al.	
	1E	5,625,846	04/29/97	Kobayakawa et al.	
	1F	5,729,749	03/17/98	Ito	
	1G	5,748,954	05/05/98	Mauldin	
	1H	5,819,251	10/06/98	Kremer et al.	
	1I	5,873,089	02/16/99	Regache	
	1J	6,041,053	03/21/00	Douceur et al.	
	1K	6,389,513 B1	05/14/02	Closson, Kevin A.	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Mendel, Brett; "Server I/O all set to flow"; Lantimes, October 27, 1997, Vol. 14, Issue 22; cover page and page 31
	1R	Briggs, Chris; "Smarter and Fraster I/O for Servers"; CORE: Operating Systems; Byte, May 1, 1996, Vol. 2, No. 5
	1S	Thompson, Tom; "I2O Beats I/O Bottlenecks"; Byte, August 1997, pp. 85, 86 and 3 additional pages

EXAMINER

DATE CONSIDERED

**PATENT APPLICATION**

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR</b> <b>APPLICANT'S INFORMATION DISCLOSURE</b> <b>STATEMENT</b>  <b>(Use several sheets if necessary)</b>	<b>ATTY. DOCKET NO.</b>	<b>APPLICATION NO.</b>	<b>CONFIRMATION NO.</b>
	<b>200303934-3</b>		
	<b>APPLICANT</b> <b>Jay C. Brinkmeyer</b>		
	<b>FILING DATE</b>	<b>GROUP</b>	
<b>Herewith</b>	<b>2175</b>		

**REFERENCE DESIGNATION**      **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
2A	6,490,666 B1	12/03/02	Cabrera et al.	
2B				
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	2L					
	2M					
	2N					
	2O					
	2P					

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

2Q	I2O Introduction; Technology Backgrounder; August 13, 1997; <a href="http://www.i2osig.org/Architecture/TechBack.html">http://www.i2osig.org/Architecture/TechBack.html</a>
2R	"i960 RP I/O Processor - the I2O SIG site; <a href="http://134.134.214.1/design/iio/i2osig.html">http://134.134.214.1/design/iio/i2osig.html</a> ; February 6, 1998
2S	"Welcome to the I2O SIG Web Site!"; <a href="http://www.i2osig.org">http://www.i2osig.org</a> ; February 6, 1998

**EXAMINER**

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## PATENT APPLICATION

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FORM PTO-1449		ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
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## REFERENCE DESIGNATION      U.S. PATENT DOCUMENTS

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## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

3Q	"About I2O Technology"; <a href="http://www.i2osig.org/Architecture">http://www.i2osig.org/Architecture</a> ; February 6, 1998
3R	"Technology Backgrounder"; <a href="http://www.i2osig.org/Architecture/TechBack.html">http://www.i2osig.org/Architecture/TechBack.html</a> ; February 6, 1998; 6 pages
3S	"Questions and Answers"; <a href="http://www.i2osig.org/Architecture QandA.html">http://www.i2osig.org/Architecture QandA.html</a> ; February 6, 1998; 4 pages

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	4L					
	4M					
	4N					
	4O					
	4P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

4Q	I2O Specifications for Non-Members"; <a href="http://www.i2osig.org/Architecture/GetSpec.html">http://www.i2osig.org/Architecture/GetSpec.html</a> ; February 6, 1998
4R	Amdahl, Carlton G.; "I2O Future Directions"; <a href="http://www.i2osig.org">http://www.i2osig.org</a> ; June 1996; 12 pages
4S	Goble, Scott et al.; "Intelligent I/O Architecture"; <a href="http://www.i2osig.org">http://www.i2osig.org</a> ; June 1996, 22 pag s

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## **PATENT APPLICATION**

Sheet 5 of 6

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR</b> <b>APPLICANT'S INFORMATION DISCLOSURE</b> <b>STATEMENT</b>  <b>(Use several sheets if necessary)</b>	<b>ATTY. DOCKET NO.</b>	<b>APPLICATION NO.</b>	<b>CONFIRMATION NO.</b>
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	<b>APPLICANT</b> <b>Jay C. Brinkmeyer</b>		
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	5P					

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

5Q	"Press Releases and Clips"; <a href="http://www.i2osig.org/Press">http://www.i2osig.org/Press</a> ; February 6, 1998; 4 pages
5R	Listing of Press Releases; <a href="http://altavista.digital.com/cgi-bin/quer....=21%2FMar%2F86&amp;d1=&amp;search.x=46&amp;search.y=6">http://altavista.digital.com/cgi-bin/quer....=21%2FMar%2F86&amp;d1=&amp;search.x=46&amp;search.y=6</a> ; February 6, 1998, 2 pages
5S	Crothers, Brooke; "Intel server chip gets big backing", October 7, 1997; <a href="http://www.news.com/News/Item/0,4,14962,00.html">http://www.news.com/News/Item/0,4,14962,00.html</a> ; February 6, 1998

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<b>Herewith</b>	<b>2175</b>		

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		6L				
		6M				
		6N				
		6O				
		6P				

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

6Q	<p>"HP Demonstrates Commitment to I2O Standard With New I2O Disk-array Controller";          Hewlett Packard; Press Release, Atlanta, Oct. 8, 1997;  <a href="http://hpcc920.external.hp.com/pressrel/oct97/08oct97b.html">http://hpcc920.external.hp.com/pressrel/oct97/08oct97b.html</a>; February 6, 1998, 2 pages</p>
6R	<p>"I2O: Disaster in the making for the freeware community";  <a href="http://22.kenandted.com/i2o/disaster.html">http://22.kenandted.com/i2o/disaster.html</a>; February 6, 1998, 2 pages</p>
6S	

**EXAMINER**

**DATE CONSIDERED**